

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 November 2001 (01.11.2001)

PCT

(10) International Publication Number
WO 01/81841 A1

(51) International Patent Classification: F25B 39/02,
F28D 7/16, F28F 13/08

(21) International Application Number: PCT/JP01/03625

(22) International Filing Date: 26 April 2001 (26.04.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2000-126545 26 April 2000 (26.04.2000) JP
2000-373058 7 December 2000 (07.12.2000) JP

(71) Applicant (for all designated States except US): MITSUBISHI HEAVY INDUSTRIES, LTD. [JP/JP]; 5-1, Marunouchi 2-chome, Chidoya-ku, Tokyo 100-8315 (JP).

(72) Inventors; and

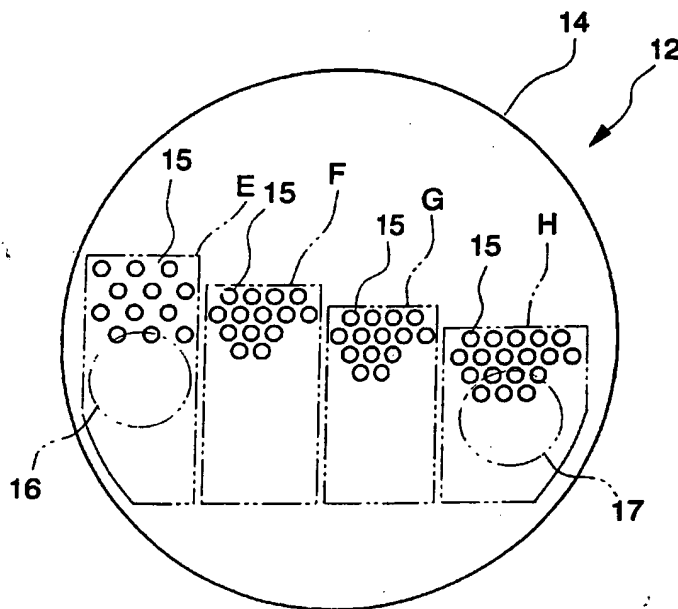
(75) Inventors/Applicants (for US only): IRTANI, Yoichiro [JP/JP]; c/o Mitsubishi Heavy Industries, Ltd., Takasago Research & Development Center, 1-1, Arai-cho Shinhama

2-chome, Takasago-shi, Hyogo 676-8686 (JP). KAWADA, Akihiro [JP/JP]; c/o Mitsubishi Heavy Industries, Ltd., Takasago Research & Development Center, 1-1, Arai-cho Shinhama 2-chome, Takasago-shi, Hyogo 676-8686 (JP). HIROKAWA, Koji [JP/JP]; c/o Mitsubishi Heavy Industries, Ltd., Takasago Research & Development Center, 1-1, Arai-cho Shinhama 2-chome, Takasago-shi, Hyogo 676-8686 (JP). AOKI, Sunao [JP/JP]; c/o Mitsubishi Heavy Industries, Ltd., Takasago Research & Development Center, 1-1, Arai-cho Shinhama 2-chome, Takasago-shi, Hyogo 676-8686 (JP). SHIRAKATA, Yoshinori [JP/JP]; c/o Mitsubishi Heavy Industries, Ltd., Air-Conditioning & Refrigeration Systems Headquarters, 1, Asahi-cho 3-chome, Nishi-biwajima-machi, Nishi-kasugai-gun, Aichi 452-8561 (JP). SEKI, Wataru [JP/JP]; c/o Mitsubishi Heavy Industries, Ltd., Air-Conditioning & Refrigeration Systems Headquarters, 1, Asahi-cho 3-chome, Nishibiwajima-machi, Nishi-kasugai-gun, Aichi 452-8561 (JP).

(74) Agents: FUJITA, Takaharu et al.; OR Building, 23-3, Takadanobaba 3-chome, Shinjuku-ku, Tokyo 169-8925 (JP).

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(54) Title: EVAPORATOR AND REFRIGERATOR



(57) Abstract: This evaporator (12) is constructed such that bundles of heat exchanger tubes (15) for flowing cold water are disposed inside the container (14) for admitting the cooling medium. When a total cross sectional area of the heat exchanger tubes (15) at various locations in the flow direction of the cold water is compared, the total area in a downstream location is less than a total area in an upstream location of the flow passage. Therefore, even though the temperature differential between the cold water and the cooling medium is small, the flow speeds of the cold water in the downstream tubes become faster than that in the upstream tubes, so that the heat flux is increased and heat transfer rate is improved even in tube group D.

100901-6106T001

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